

Okoboji Sioux City  
Aberon Florence Neb.

Eldon Council Bluffs.  
Chillicothe 1909.

Oct. 6, 1909 (wed)

Left Iowa City at 10<sup>00</sup>  
AM for Cedar Rapids.

Oct. 7, 1909 (Th.)

Left Cedar Rapids for  
Spirit Lake at 12:35 AM.

Reached Spirit Lake at about  
8<sup>15</sup> AM. Took team of  
Mrs. Miller (\$2.00 - Deibner's man  
tried to charge me \$3.00 + pay  
for feed at noon) & drove  
to Miller's Bay. A few  
fishing boats were out, but  
everything seems to be  
abandoned.

Took a lot of photos.  
It was a little too windy  
for comfort, but I  
am hoping for the best.  
The following photos  
were taken (all on 35's):

Photos 1 + 2 - Looking S.

sta. 3 is just to left of flag  
pole & about 20 ft N. of sta.  
sta. 4 is just inside of gate  
in line with gate

Photos 21 + 22 - Sta. 5 - just below  
small Rev. elm (nearest tree to  
stags) - The two trees nearer me  
are green ash. Grains strip comes  
down hill to bank.

Row row of dock - Looking W

Photo 19 - Looking E. of N. across  
station 4, which is in front of  
last tree, in center (brush

Photos 23 + 24 - Looking W. toward sta.

6. It is about 2 way up hill &

just about center of field.

Drying box shows at left. (extreme)

Photo 20 - Looking N. along  
beach to dock.

Photos 15 + 16 - (front lawn on) Looking N.  
(from Smith's dock)

Photos 7 Looking S.E. from  
Smith's dock.

Photo 9 - Looking across lake

Photo 11 - Looking across Knepp's garden  
E. 1/2 mi.

Photo 12 - Same - front lawn on.

Photo 10 - Looking NW across  
sta. 2 - It is just about in  
line with telephone pole

Photo 5 - Looking S.E. from lawn  
sta. 2 - sta. 4 is beyond station  
of tank.

Photos 7, 8 - Looking W. across  
little hole W. of high pt.

Photo 5 - Looking NW. to tall  
birch point -

Photo 6 - Looking E.

Photos 25 + 26 - Looking NW.  
dry bushes just N. of lake.

Harbor

← Brook

Photos 29, 30 - School house (N. on)

Photos 15 & 16 - Kettlehole,

N.W. of center lake.

Gathered *Vaccinium* along the beach.

Returns to Spirit Lake at 2:15 PM & went over to get Eldera at landing. *Vaccinium* was almost out. Sent out card. Purchased a basket of stuff & sent it to depot.

Left Spirit Lake at 5:23 PM for Sioux Falls.

Reached S. F. at about 9:15 PM. & put up at the Dakota Hotel (\$2.00)

Send out cards.

Oct. 8 (Friday)

Left for Alton at 6:50 AM.

Mr. Severin Jensen  
has "Gastritis"

Has stomach trouble pretty  
badly, & ~~says~~ he breathes  
not a little —

Dr. Gibbs at Omaha  
removes one eye, is blind  
now in other.

Stomach & bowels like deer.  
Dr. has stomach trouble  
for several years. A  
burning pain <sup>right ear</sup> in ear or

Feels like pocket boy when  
birds are — still aching  
pains —

Eye looks well, but he says  
me:

Mr. Jensen also has pain  
through the chest to back.  
Waters comes freely, but urine

is strong & rarely sickly,  
Abdomen is sore to touch.  
Pain in calves of legs,  
cheeks sun. Feet burn  
unbearable - He is very  
nervous. Often puffed up.  
Fluttering all over body.

Dug another well close by,  
& filled this from new  
well. The first one  
near w. side of track  
a well carved in - this  
was about 12 ft. deep -  
Struck sand & water -  
Dug another by the side  
of it, nearby, & struck  
black hardpan & a little  
sand & gravel <sup>out</sup>. Mr.  
Jensen, however says no  
that this was in other place.

In present well - 23 or 4  
ft. deep,  
about 7-8 ft. of sand &  
gravel & below top  
stuff clay was a little  
harder. Some clay mixed  
with sand & gravel.  
(His account not very  
critis.)

They dug deeper & struck  
what he called little pieces  
of slate.

(Mr. Jensen gets so hot he  
can't sleep. He can't vomit,  
heaps food down, but  
belches.)

I gave Mr. A. vol. XVIII.  
LeRoy Anderson  
Akron, Ia.

Want shelter for school  
Get at least part.)

Wants good sunny reports  
for about 30 days now.

will exam  
See if Jepion, Mr.  
Jensen at Sioux City

Mr. W. L. Butcher  
R.F.D. Akron, Ia  
Has fragments of tusks  
& bones from Jensen  
well.

Spent until 5 o'clock  
working with the Jensen's  
With the daughter, Mrs. J. K.  
Dierkesen, to the High School  
& got the tusk & some  
fragments of tusk & bone,  
Looked up Mr. Jensen's corneas  
on N. Ave.

Discussed Mr. Jensen's health  
& his chance for relief  
at Town City. The poor  
man is now totally blind  
& seems to suffer from

other troubles.

At last arranged so that  
I bought one tusk (the  
better one) and a part  
of the fragments for \$15.00,  
with an agreement that  
if the Jensen's decided to  
let us have the remainder  
of the stuff, they would  
receive another \$15.00.  
But I took all the  
material with me - their  
part of it as a loan.

I then drove over to  
W. L. Butcher's place  
in So. Dakota. Told  
him away from home  
but Mrs. B. gave me  
3 or 4 fragments of bone,  
will write to him for  
more. She said that he  
had a lot of it, in small pieces.

Put up at the New  
Kendall again.

Mr. Asdun wants to  
know about Historical  
Society - membership &  
cost of publications.

Oct. 9 (Sat) 1909<sup>11</sup>

Met Mr. Powers.

He stated that the great  
mounds (Broken Kettle creek  
& the bluff) contains great  
number of clam-shells -  
also Gulf coast shells;

He thinks this was built by  
the Mandans before they were  
driven N. by Sioux.  
There was evidently an Indian  
village very close to mounds.  
There was very much broken  
pottery.

(Doane Robinson, S. Dak Hist.  
Soc., at Pierre -

get history of Mandans &  
Pawnees.)

He has seen no dams  
except -

Turk.

Expenditure - about \$ 8.00

In exchange:

Cretaceous fossils -

Other fossils -

a set of loess -

Photograph -

Show the strata

which are represented  
at Sioux City.

There will be large

Mr. E. E. Stacey is  
invited & will be

~~10~~ ~~part of  
capping deposit.~~

Oct 11-1909 (Em)

Photo 4109 - most eolian  
view of Prof Kauai on bed  
face exposure.

Photos 25, 26, 28, 30

Sand, sand & gravel

Photos 19, 20 - New view  
of S end of capping

Photos 5, 6, 33, 34 are  
S end of same cut

In the portion of bed on  
these are frequent sand  
pebbles, many dark,  
some gravel

a view of the lag at west  
end (first below Pinetree).  
This is an exposure of pebbles  
using 3 photographs of  
an eolian - interdunal pebbles  
has pebbles & is very dark.  
With photos A, I.

Lag  
with  
pebbles

Prof Kauai

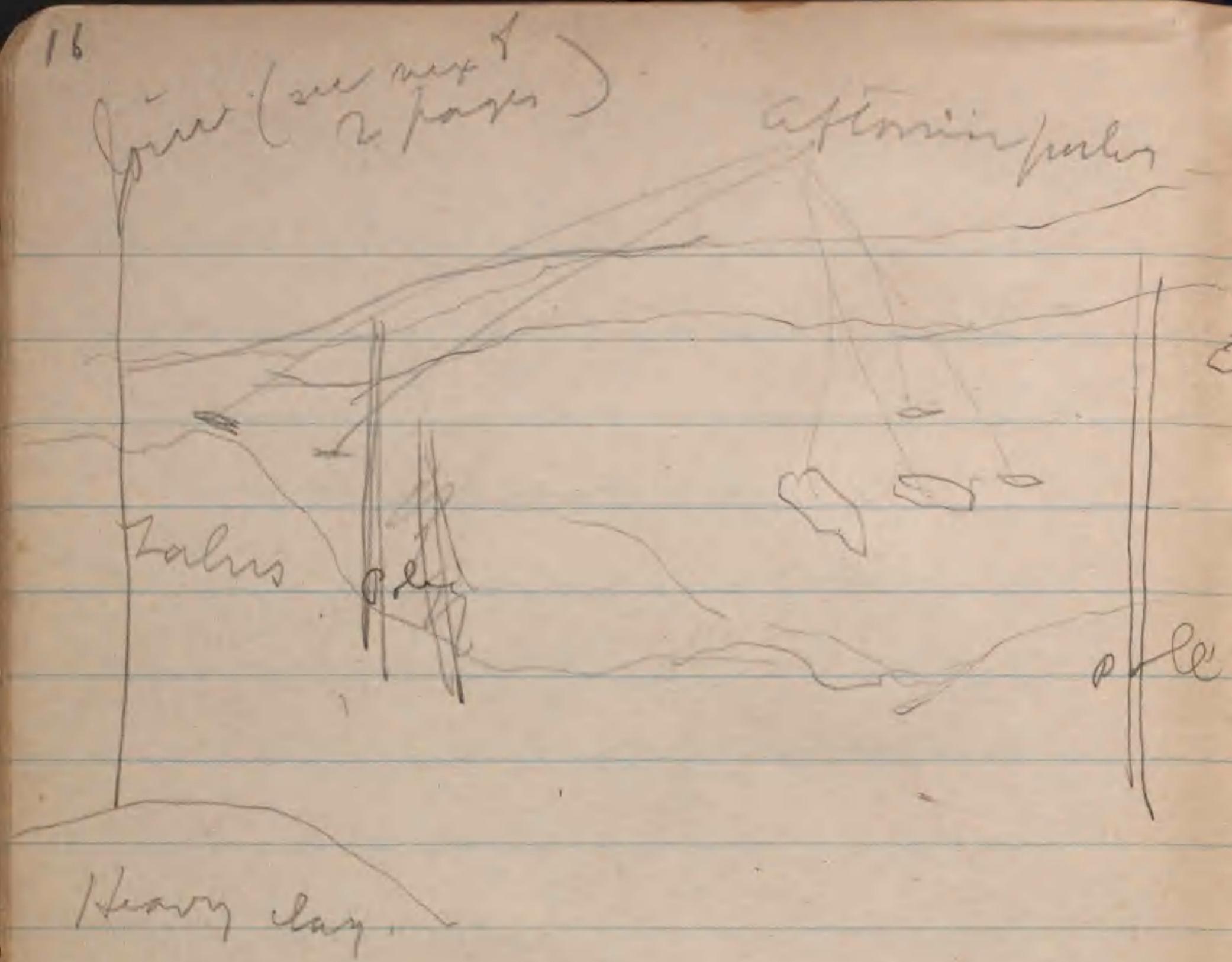
Interdunal  
pebbles

Prof Kauai

16

fine (see next 2 pages)

afternoon porches



Two samples of Kansan,  
of pre-Kansan, & post-K. porches.  
The pre-K contains angular  
& planed pebbles, -  
very distinct.

The Kansan slopes are a low  
folding, - this running in  
folds show it.

The Kansan becomes darker  
below.

Pockets of afternoon sand & gravel,

Ridge

1-2 ft. elevation

Kansan - brownish & blue  
with much fine ~~orange~~<sup>yellow</sup>  
boulders & pebbles, & rising  
over 30 ft. above sand line  
Ridge base line  
& rusty streaks

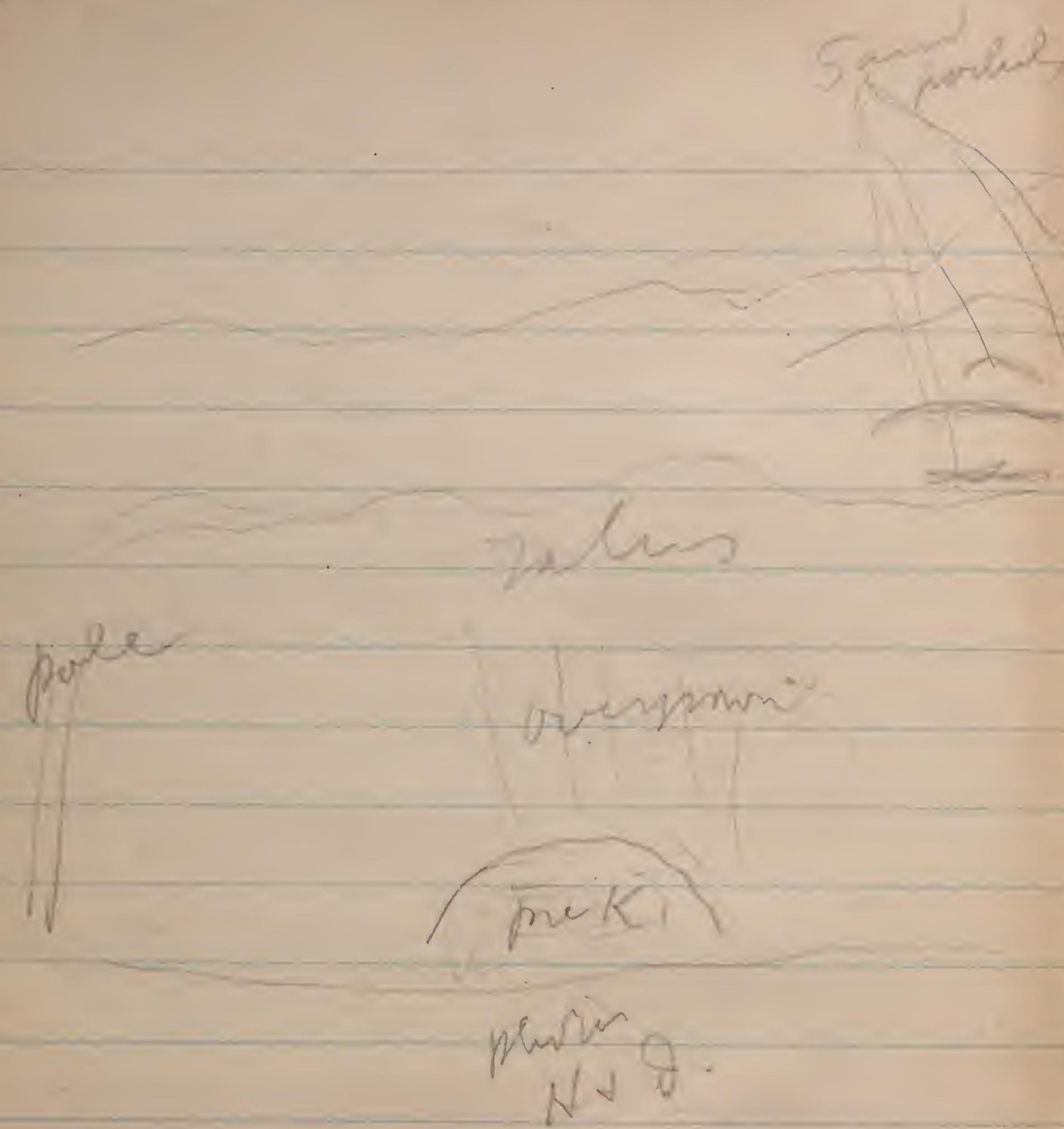
Talus

Ridge

The afternoon porches show  
cross bedding.

Plots 31 & 32 show thin porches  
lying ~~near~~ <sup>on</sup>.

Plots 15 & 16 - Talus from farther  
S. shows both sets of porches



In this sketch out I made one  
as fine between pink & talus  
& no alluvium in place.

This may be due to covering  
& slumping, or the alluvium  
may have been all blown  
up. The numerous  
sand pockets suggest latter.

56 ft. above ground

Talus  
Karus

Talus

lump Henry  
day

Ross

This is 5 mi. S east of cut, or  
5 1/2 if it follows.

The distance between the  
two S poles is nearly  
double road distance.

The Karus is much broken  
& twisted in places.

Beyond 2<sup>3</sup> cut below  
Paris beds (S. of it)  
Butte shown for 3 ft  
above sand.

Nov. 4-1909

Left Iowa City at 9:30 am.  
with Prof. Calvin.

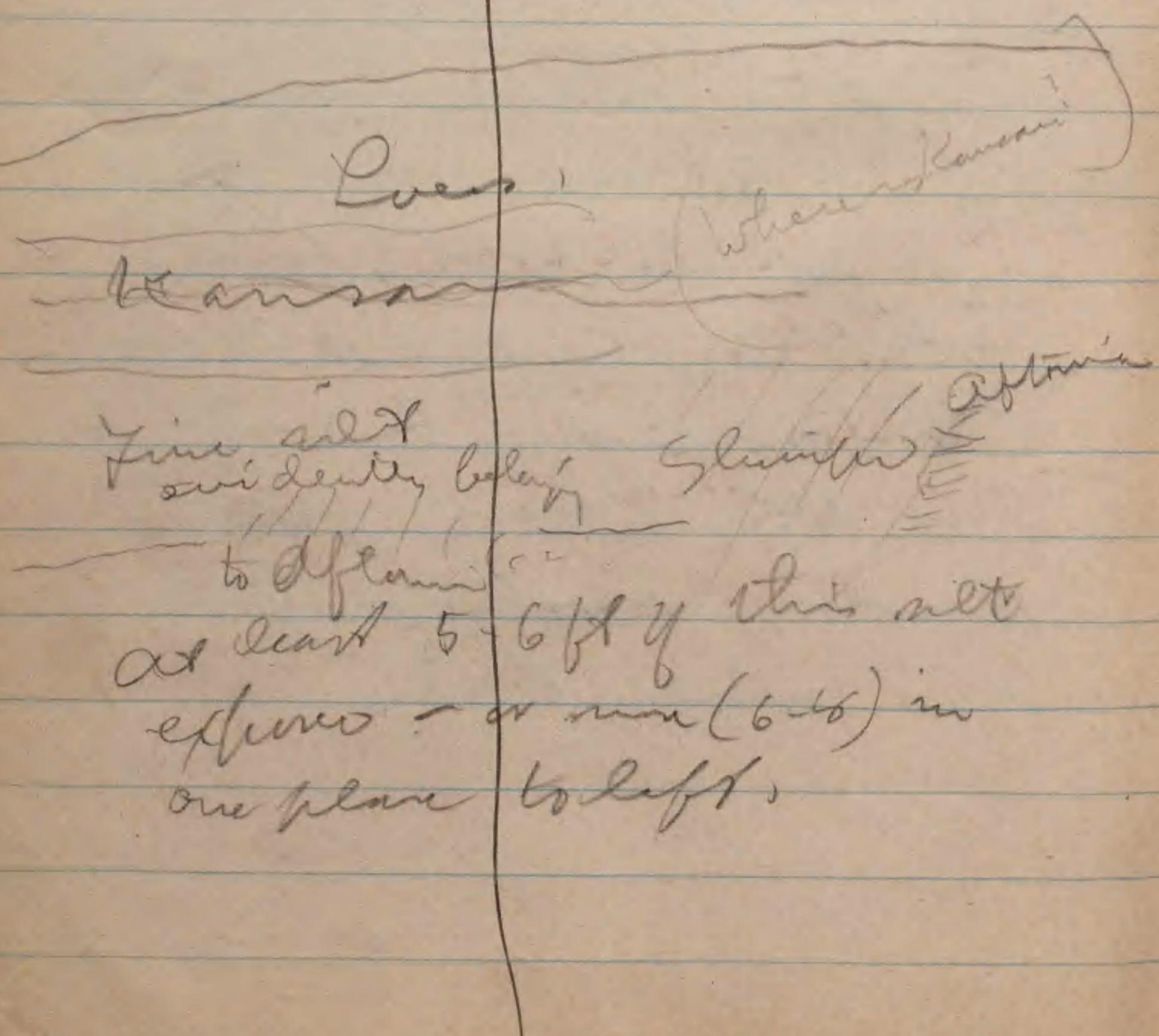
Zoo stuck at Cedar Rapids,  
and had a tough time of it  
towing into cold-snow  
movements, in an "upper".

Nov. 5, 1909

Reached Sioux City at  
about 8:45 am., and put  
up at the West Hotel.  
Went at once to the Academy  
rooms in Library building, from  
Mr. H.C. Powers, and  
picked mastodon teeth  
and skull bones.

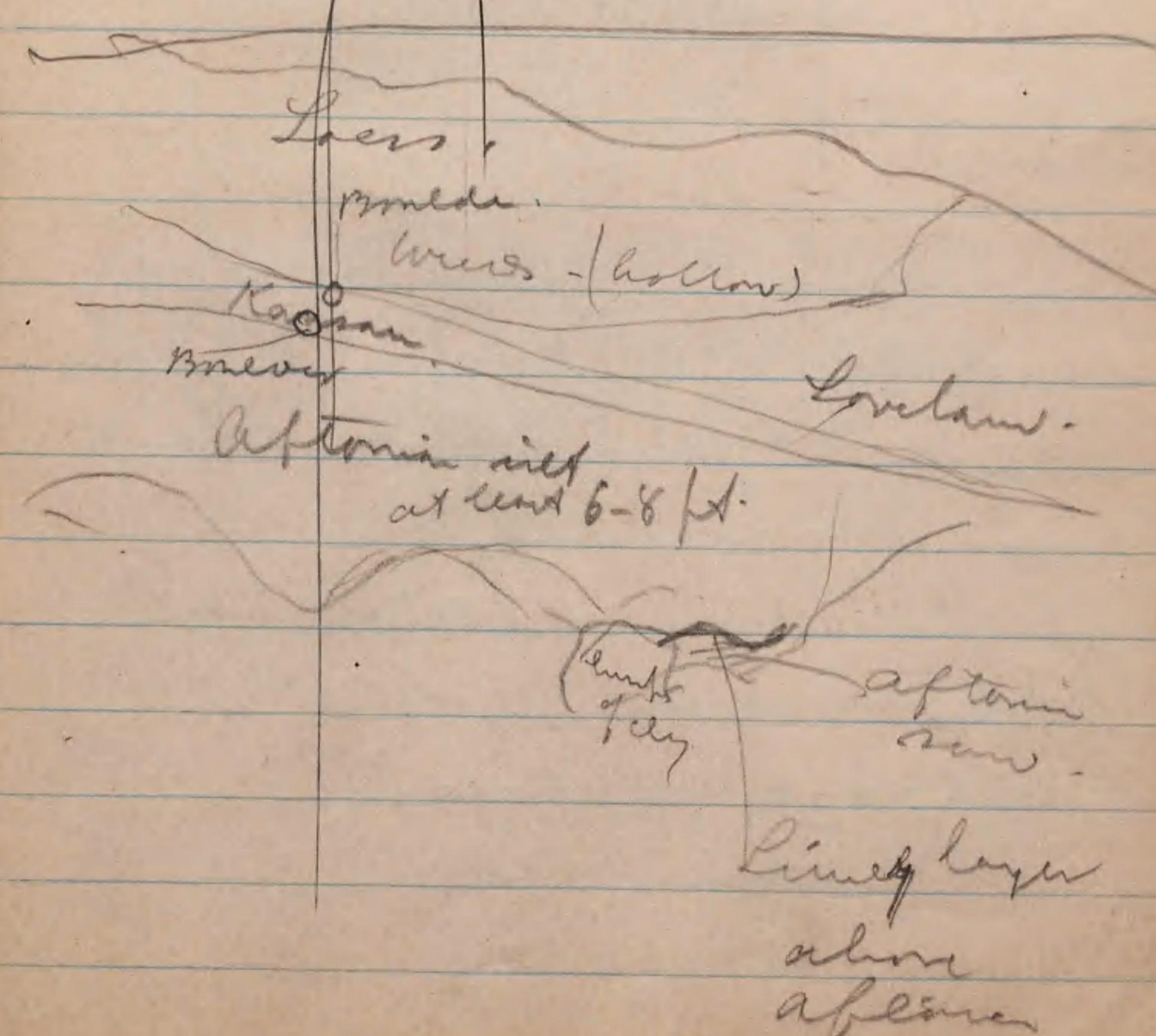
Nov. 5, 1909 (Ri)

Visited Anderson's pit at  
Sioux City in afternoon,  
after packing truck.  
Down S.E. his slumped  
very little against  
exposed, thin sand &  
fine gravel, with black  
shells & beds of  $\text{MnO}_2$ .

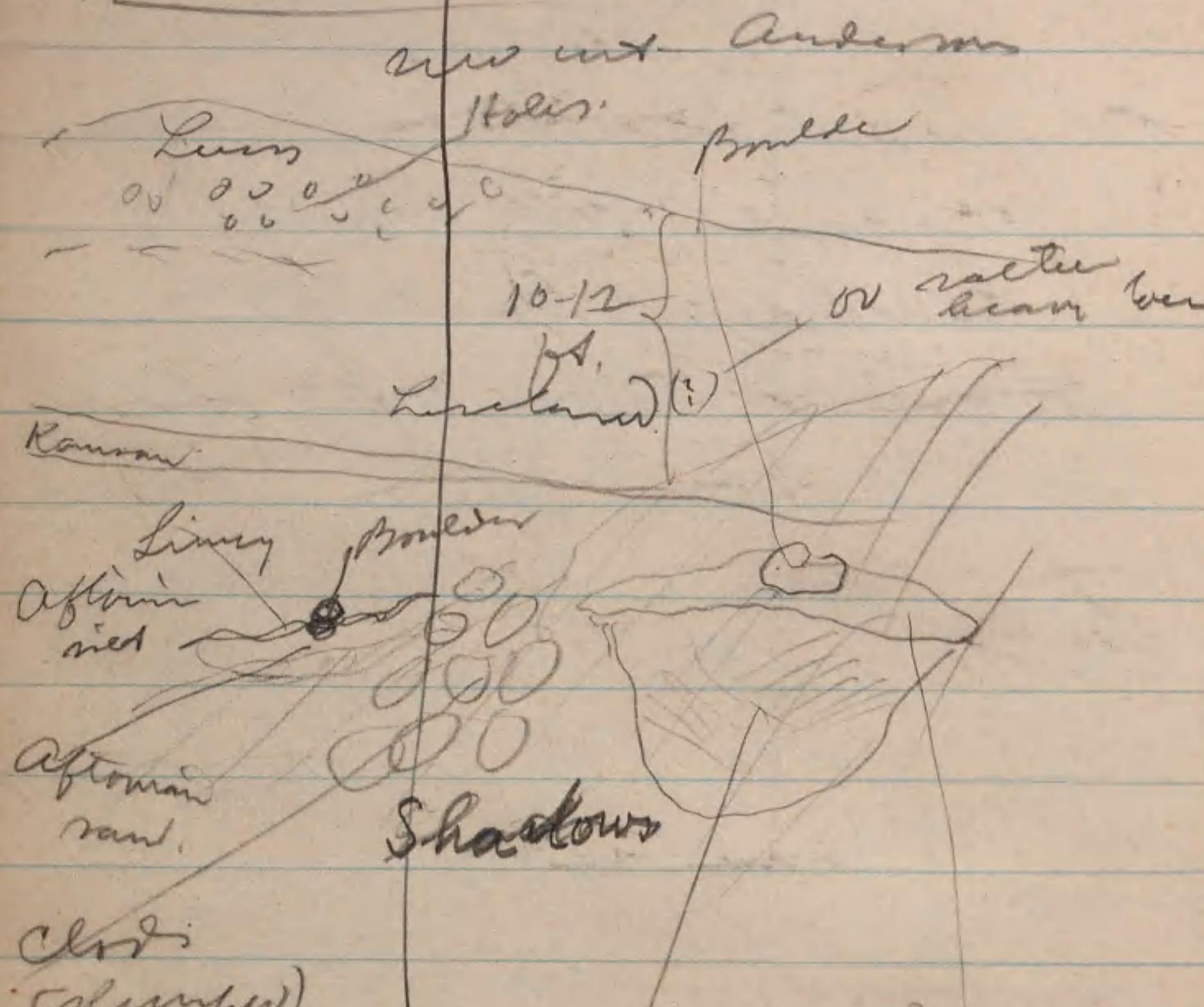


In afternoon sand  
is separated from the Kansan  
by a fine soil, which is  
in all probability afternoon  
soil. It is sandy.

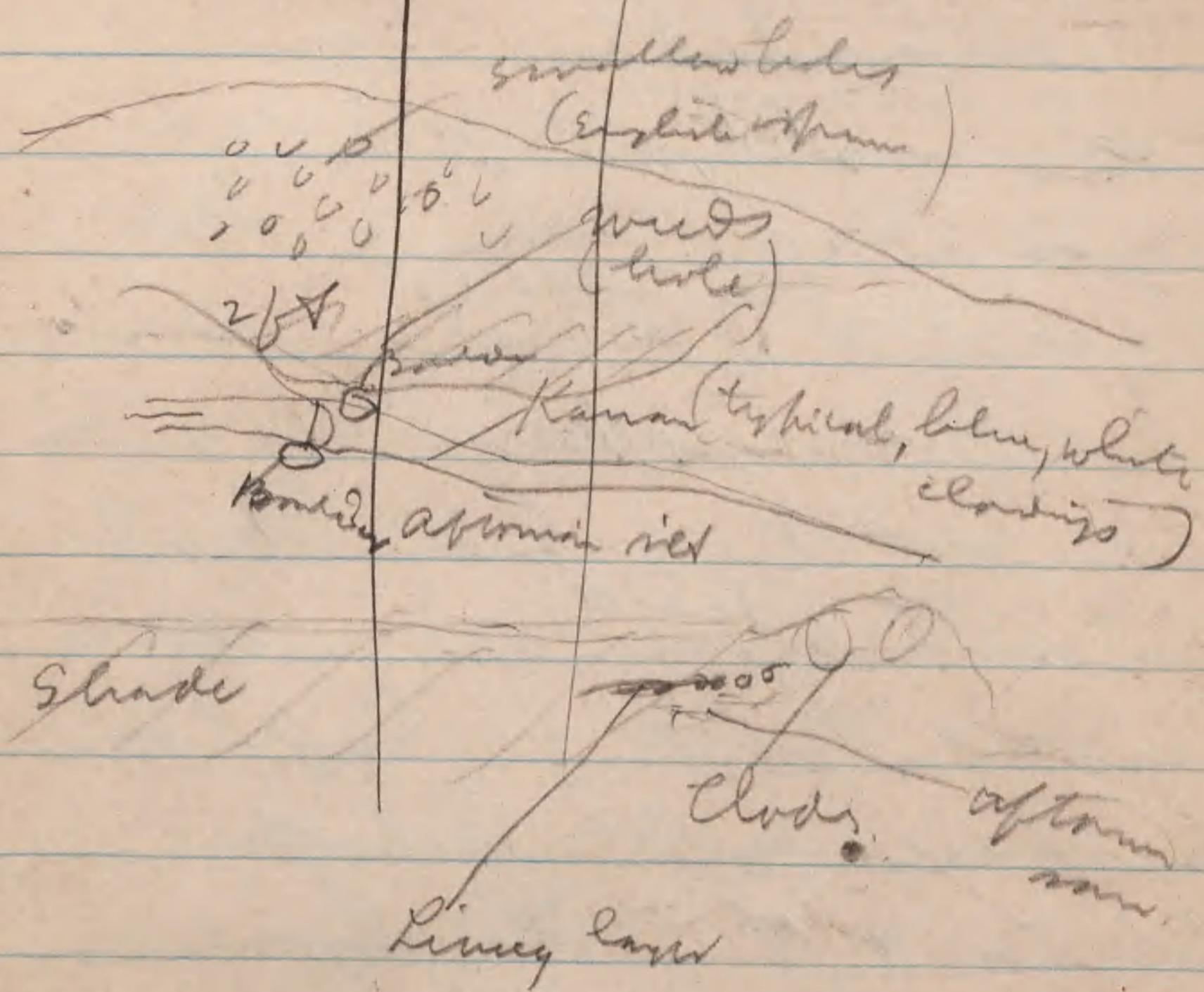
at NW. cut  
Photo 1 + 2



Photos 25 & 26



Photos 21 + 22  
Miss - autumn.



Audom says that in his  
he once found parts of a  
large shelter, leg bones, ribs,  
vertebrae, etc.  
He will open some place  
soon.

work another spot just off  
bank top of bank

Nov. 6, 1909

Left San City at 4:15 A.M.  
Met Prof. Calvin & Mr.  
Meinger (his nephew)  
& we went  
to Flume & Price's Cabin & Long Bill  
Then out N. of town N. 1  
Price's Cabin (<sup>and</sup> ~~cut~~) shown in  
vertical part 15-20 ft. of  
tufa, red at top  
for 2-4 ft. & then lighter  
(yellowish). In its lower  
mass (& for many feet - 8-10  
up it shows pebbles  
scattered, or in little  
layers. It is horizontally  
stratified. At the  
N. end (see photo 110 1/2  
& 115 1/4) 2 to 3 ft. of  
regularly stratified stuff  
with sand & pebbles  
writed in. It rests on  
2-6 in. of volcanic ash.

Below this is homogeneous  
yellow tufa & above  
it slightly redder tufa.  
It is further evidence  
that tufa is agens,  
not fossils.  
Took samples of volcanic ash.  
This goes 25 ft. up to layer  
of volcanic ash from road,  
the volcanic ash belt  
extends across (<sup>exposure</sup> evidently) &  
shows again 12-15 in. thick  
at S. end.)

Plates 7 & 8 show bluff.

Reddish brown.

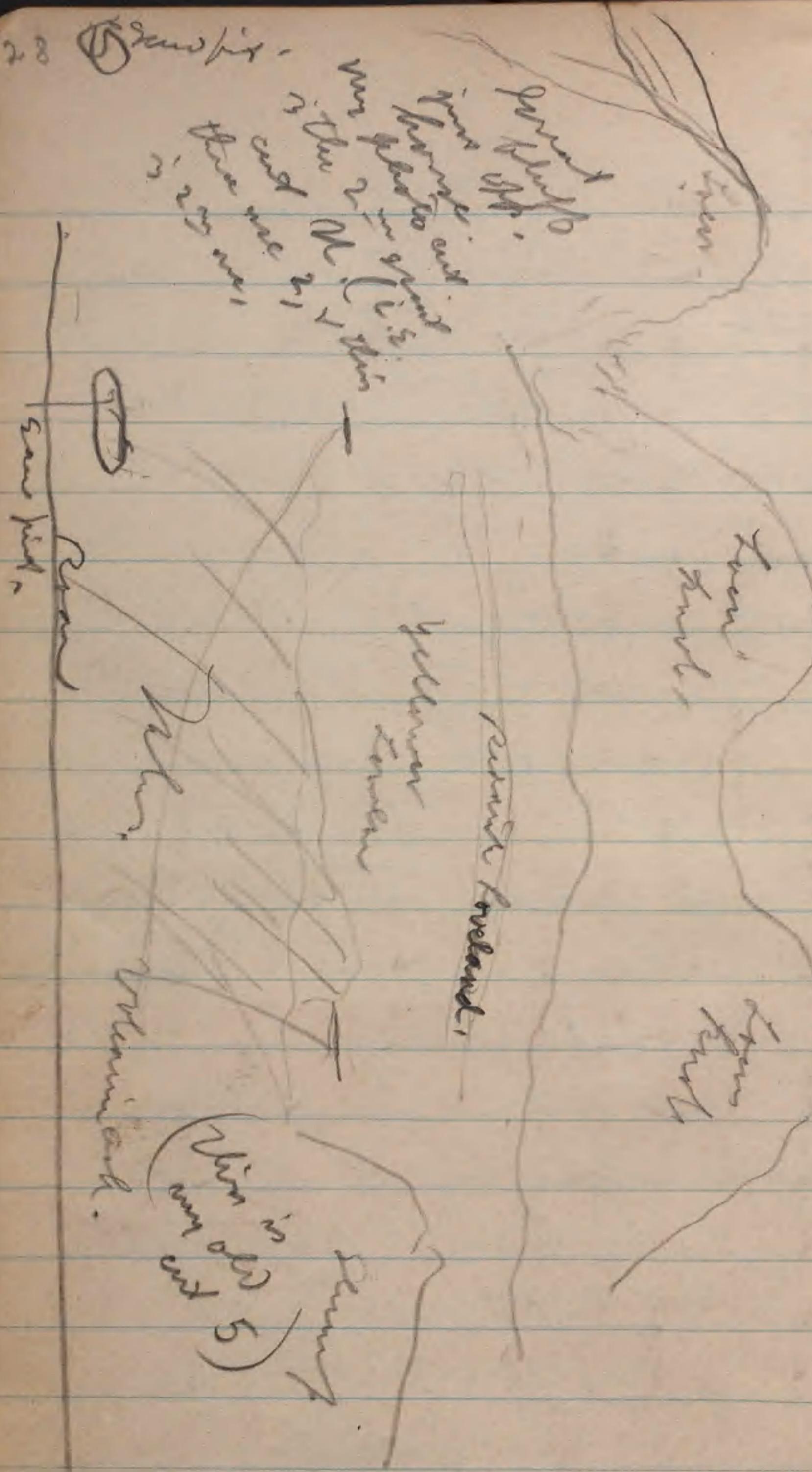
Tufa.

Volcanic  
ash

7 ft.  
Tufa

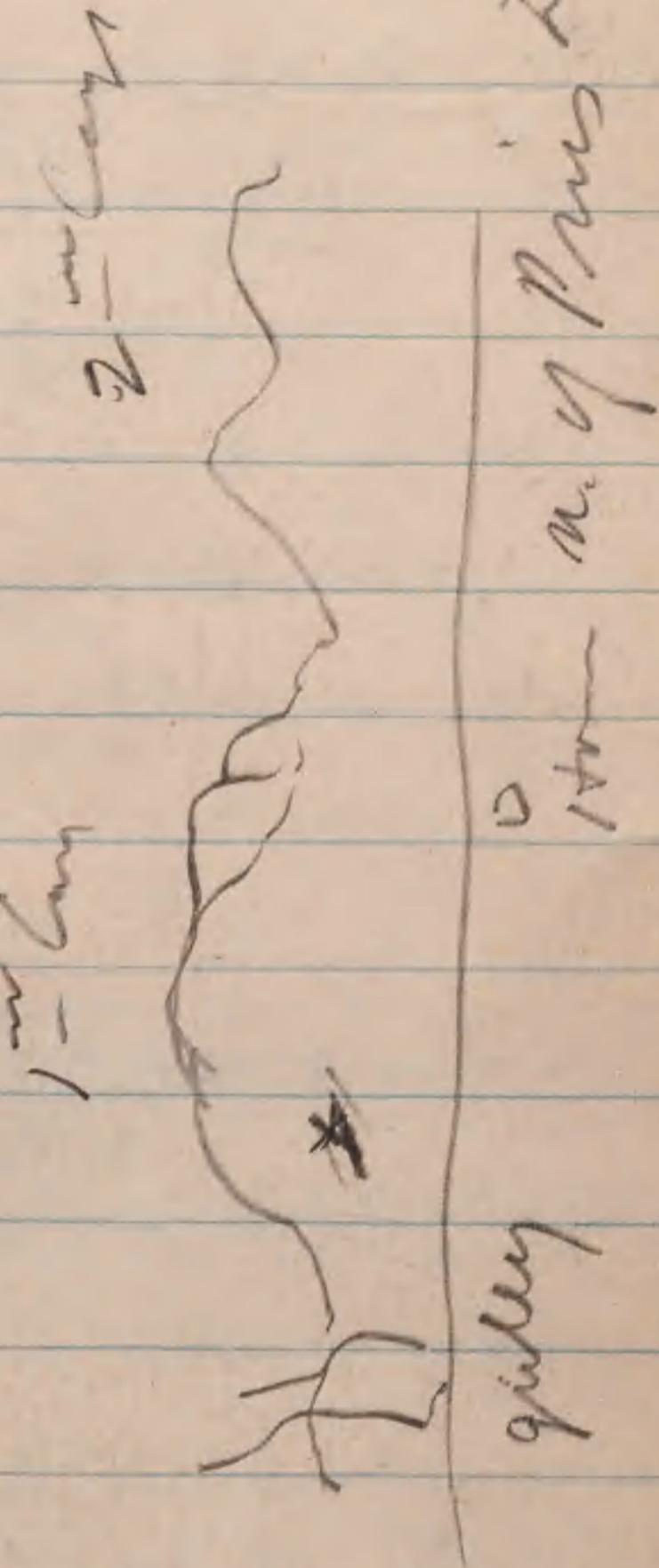
5  
cut

28



The Loveland is here under  
in uppermost part for 2 - 4 ft.  
Lower down it is yellow, heavy,  
horizontally stratified, & with scattered bubbles.

From road a gully leads west & for 3 - 5 rods  
west on N. side it shows ferruginous  
soil & by about rods & covered directly with  
lighter colored Loveland. At x, in base E., ~  
strat. of several (d. river banks) & in  
which these distinct.



On N. of Miss. River

29

Photos 3 & 4 show first  
the Kanner exposure above  
Pries Lake. This is one  
obscuredly photographed.

1<sup>st</sup> cut S. of Pries Lake

Photo 13, 14. looking NW.

saw horse.

exposure  
Kanner

2-3<sup>rd</sup> cut PakKanner  
This is N. end.

Oblast 41 & 42 - same, but  
from N. end, looking SW.  
The PakK. extends up to  
about base of telephone  
pole, at least 6 ft above  
base, which is 10-12 ft  
above bottom.

The PakKanner is exposed here for  
several rods, but its upper line  
is not sharp, as slumped material  
interbeds. The big lump of soil here is  
evidently Aftonian  
met.

Photos 17 & 18

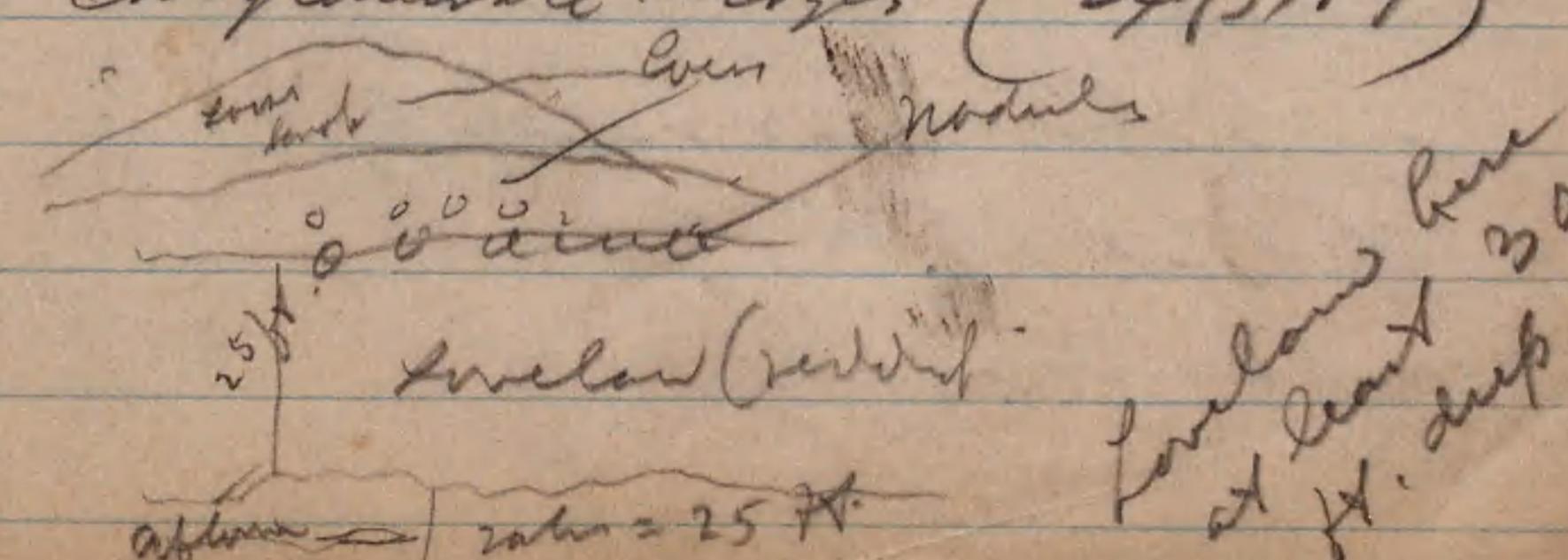
Looking E- at exp. of PakK + Aft.  
Prof. Calvin is standing in PakK. &  
Mrs. S' boat is at top of cliff  
a stream runs out at base of  
V willow. This is last base  
exposure before ledges of  
conglomerate  
Aftonian are reached.  
(This is cut 10)

Photos 33 & 34 - cut 11 - PakKanner  
is older exposure than one.

Photos 9 & 10 - cut 11. Big boulders

Photos 5 & 6 & 33 -

Loveland in PakK. has n. of  
conglomerate ledges (exp. 14)

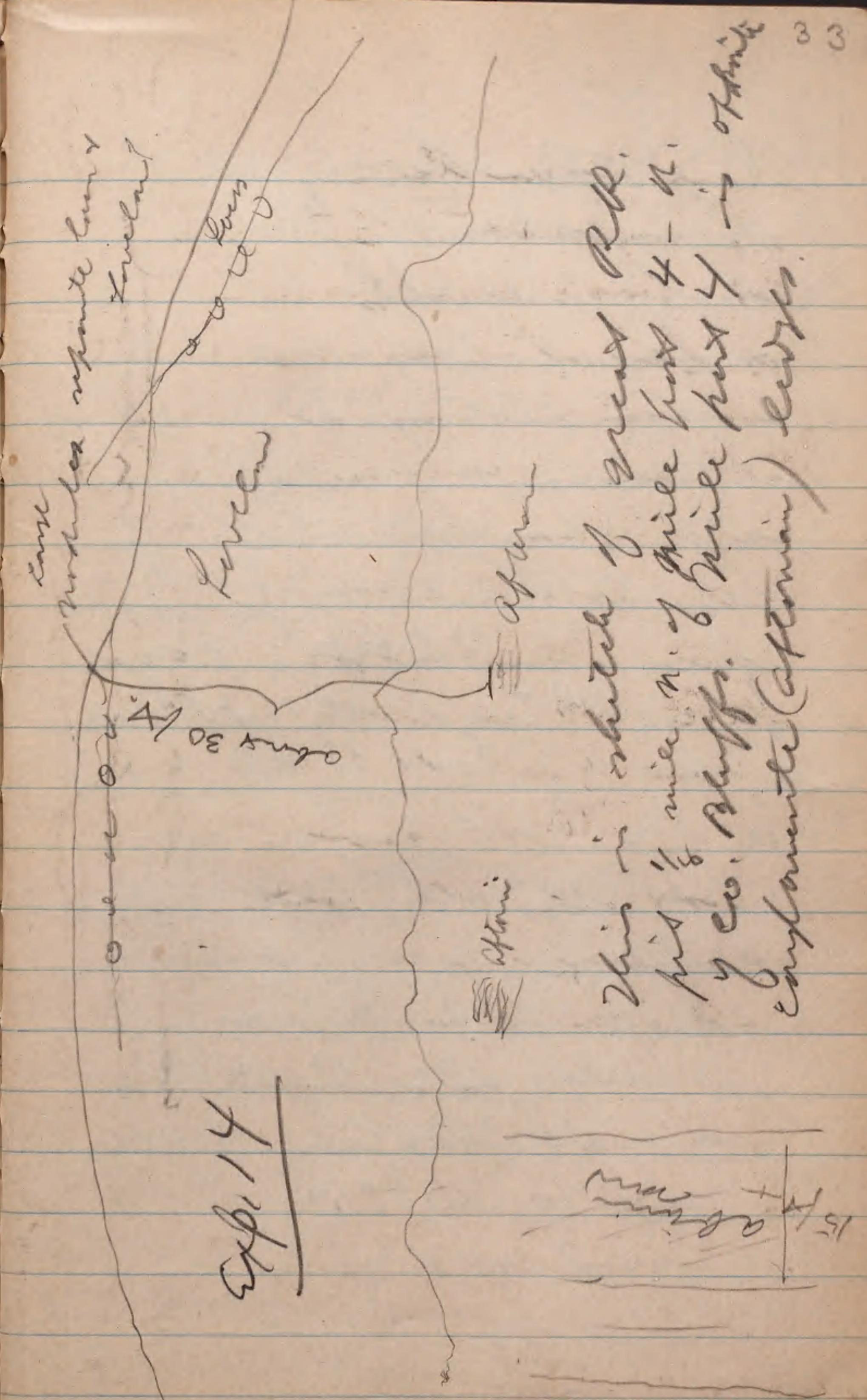


I could trace lenses  
of <sup>alluvium</sup> conglomerate 60  
ft. back from base  
of bluff in narrow  
cut leading to great  
R.R. cut. Only rocks  
rise outward.

In the great cut the  
capping sand shows  
about 200 ft. back  
from face of bluff,  
showing that gravel is  
not only along edge.  
The conglomerate in back the  
at base, & in the  
great cut goes in at least  
60 ft., on slight rise.

In cut fine typical  
cross-bedded sand rocks  
at least 15 ft above  
conglomerate base.

all along here the conglomerate  
is consolidated into conglomerate.  
This cut no much sand & thin line  
occurring where talus conglomerate.



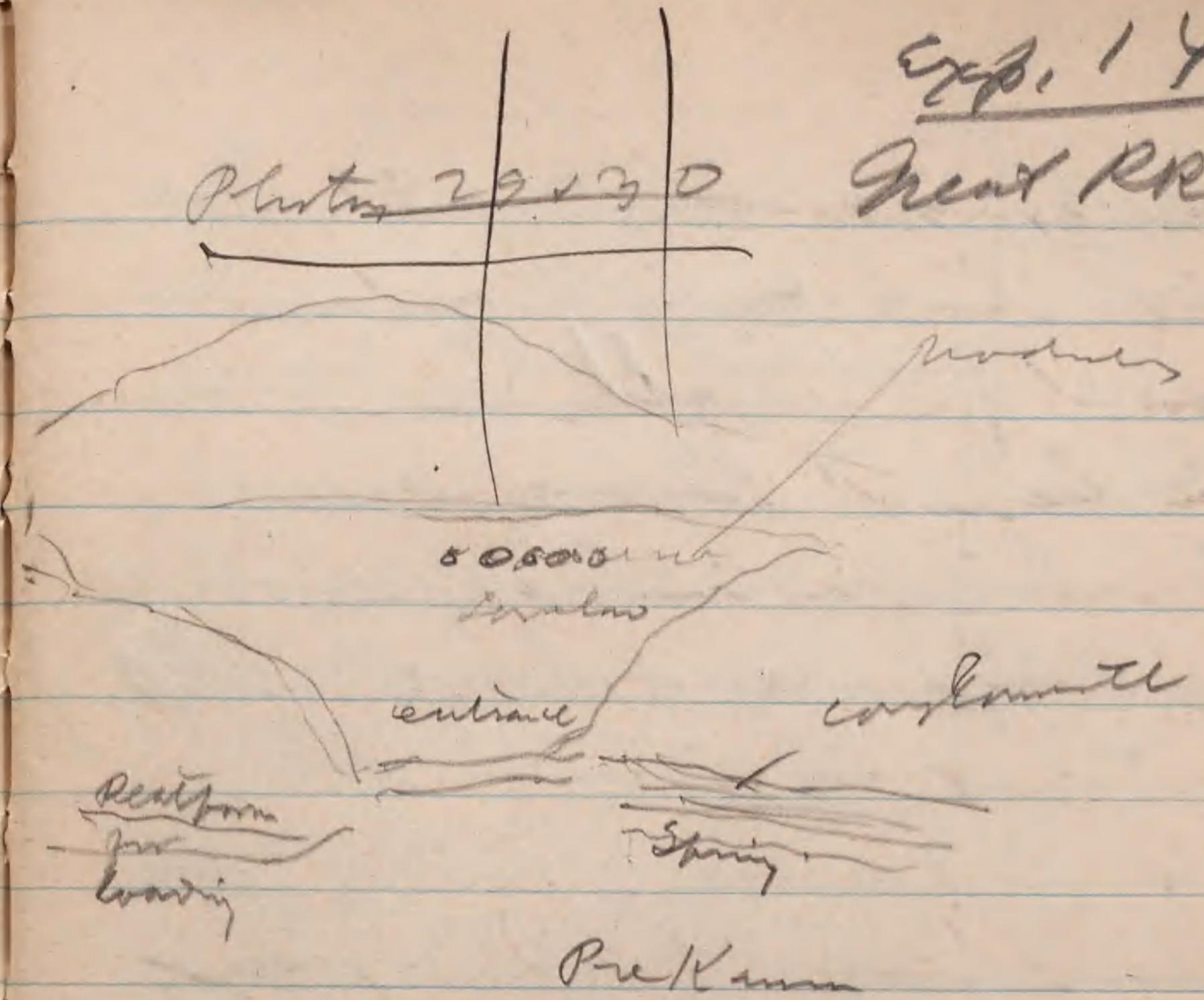
Aug 20 1951

The conglomerate is fully  
8 ft thick here, or less  
below it, as all along, a  
thin layer of coarse sand  
+ gravel, resting on  
Pre-Kansas, & from it  
water runs everywhere.

The Afton river (which  
runs thru 150 ft <sup>(nearer 200)</sup>  
from face of cliff, evidently farther up  
as exposure on E. side is still deep.)

In lower part of face of  
cliff (or bank) just S. of  
entrance a mass of  
Afton sand of same  
character as in Anadarko  
pit at Soo City appears  
below a red layer of  
coarse conglomerate.

Sept. 14  
Great RR pit.



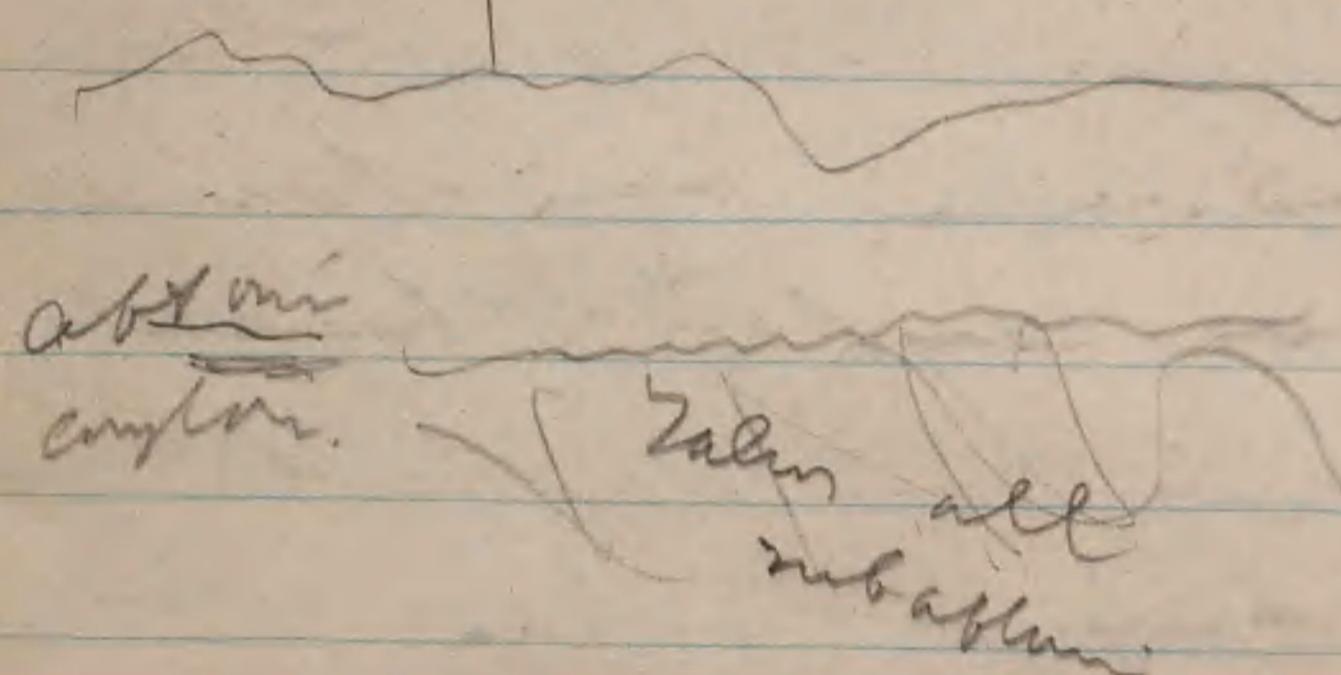
Plot 34 - Exposed (12)  
during enlargement, of first one  
S. of entrance to great  
RR. pit. The great  
conglomerate ledges are next  
south.

Conglomerate 7 ft.

gray with  
Pre.K. 12 ft.

Photo m - Looking S.E. at  
main base of conglomerate.  
This is cut (11) (100 ft.)

Photo n. Looking down  
the bank (S.E.) of which  
is broken from base (cut 10)



additional notes.

When we started in above  
Council Bluffs we drove  
up to exposure (7) of my  
previous notes, a deep  
gorge made by R.R.

Pre Kansan shows at bottom  
(ridges) of gully, and bedding,  
sand & gravel are in bottom  
of creek running from spring.  
Aftonian evidently present,  
but all much obscured by  
slumping. Loveland is  
prominent, reddish, especially  
above.

My old cut (8) shows, in gully  
and by streamlet running from  
spring, some (6-8) ft. of preKansan  
& water running above it.  
North from this is slumpy  
and seepy bank  
Dredged another sample of preKansan  
from cut 8. (with few pebbles.)

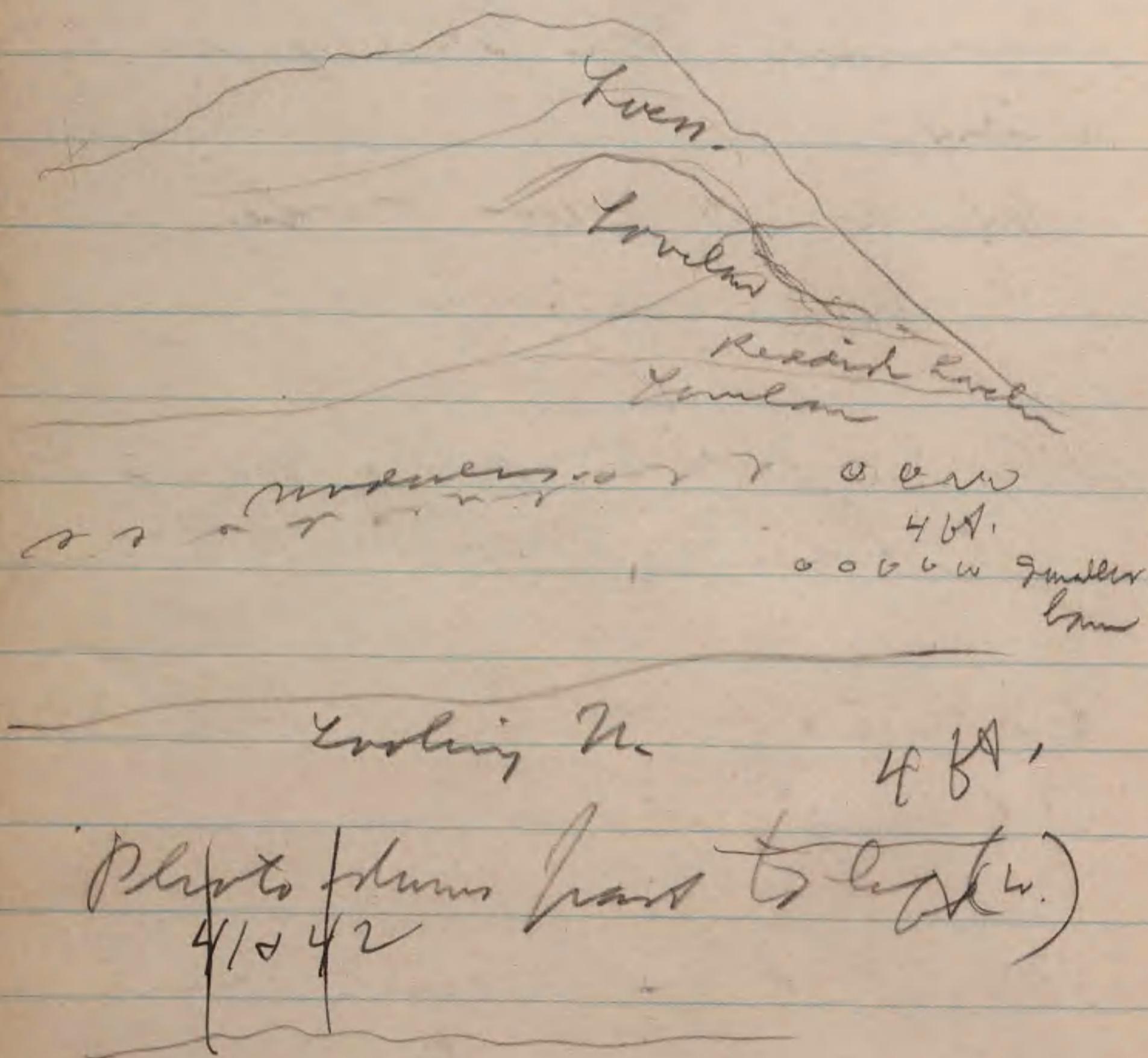
Picked up box of plants, -  
*Polygonatum*, also var. reflexa &  
 var alba, *Maianthemum canadense*  
*Oryzopsis alternata*, *Vitis*  
*hammonia*, *Zonotrichia albicollis*,

Very rainy & wet.

(To get these see through curtain  
 with plants (over us))

Co. Bluffs

Below my sta. 1



vowd over lava

Photos 25, 26 - same, nearer view.

Photos 23 & 24 - looking N. at ridge with sta. 1 + 2 grass now more luxuriant compare with old xerophytic view

Photos 27, 30 - looking E. of S. from same pt.

Photos m, n - like 23, 24 but higher up.

Photos 5 & 6 - looking S. from same pt.

Photos 3 & 4 - same (nearly) as m & n.

Expenses - Nov. 26, 1909

Nov. 26-1909. RR to Eldon	<sup>(via C.R.R.)</sup>	\$1.96	
Nov. 27. Eldon Hotel Lodging	<sup>50</sup>	breakfast <sup>50</sup>	1.00
RR to Kirksville		.42	
Chillicothe Hotel. Dinn., supper	<sup>15</sup>	<sup>15</sup>	,50
RR to Fairfield		.64	
Room-Leggett Hotel-Tucker		.75	
RR. to Iowa City		1.61	

Nov. 26-1909

Left Iowa City for Eldon  
 (via Elmira, W. Liberty and  
 Columbus Jct.) at 6:28 P.M.  
 Reached Eldon at 11:25 P.M. &  
 put up at Eldon Hotel.  
 Went No. arm.  
 The east cut close to track  
 just about where RR leaves  
 Des Moines river & just S.  
 of post marker Eldon shows.

6 ft. of whitish yellow  
 clay with red streaks (see sample)  
 darker, very moist (full of  
 6 ft iron tubes) joins clay,

bluish (looks like kauna  
 but no pebbles or lenses)  
 about 3-4 ft. exposed

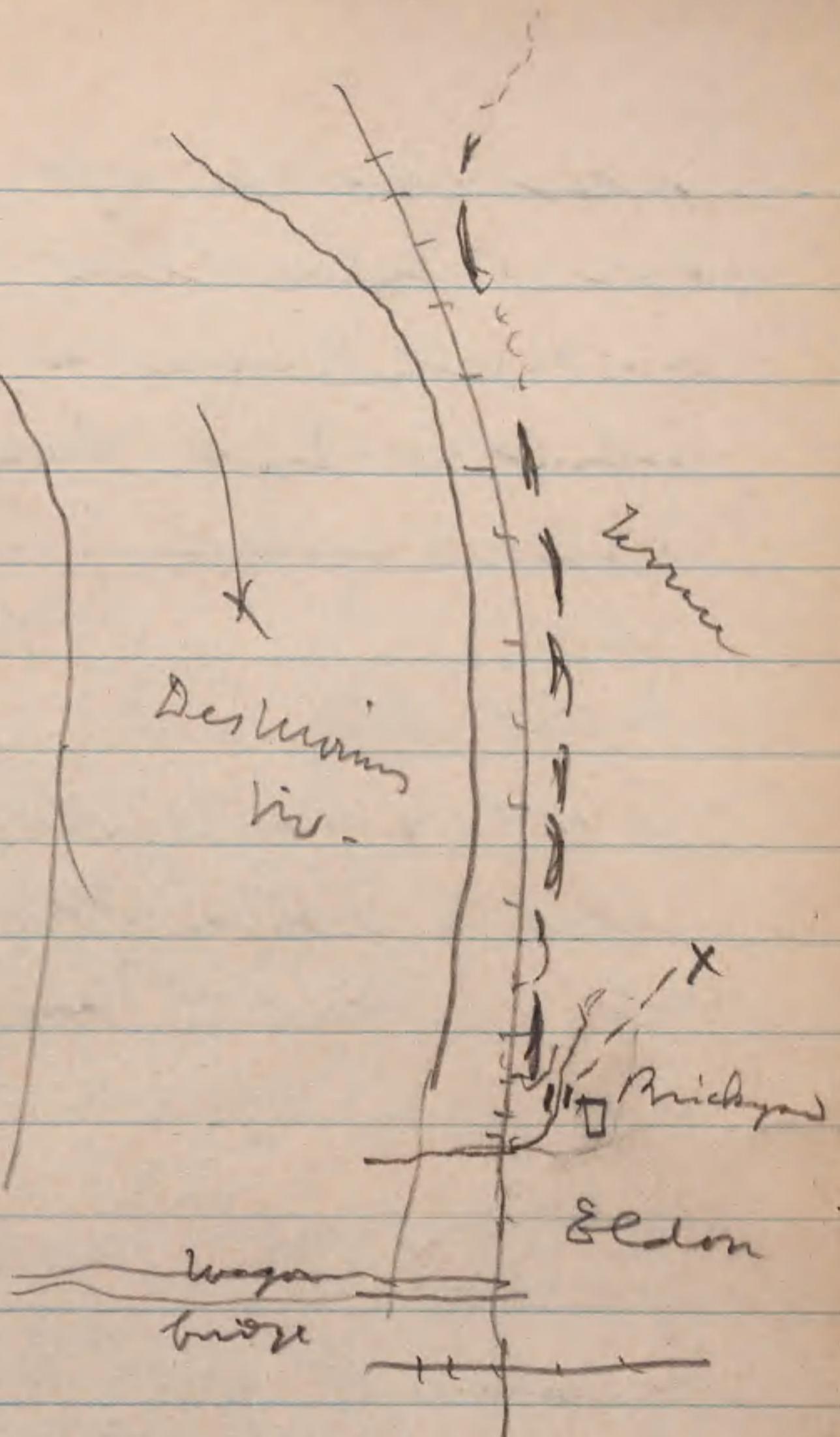
Then about 15 ft. down  
 to track. This is moist.  
 slide talus,

All these cuts along RR  
are in a terrace which  
extends back a  $\frac{1}{2}$  mile or  
more & then lies in  
gradually & irregularly.  
The materials in all the cut  
show water action.

The terrace rises about  
30 ft above RR &  
the latter is about 12 ft  
above the lowest Des Moines  
bottom, or about 15 ft. above  
water.

In series of cuts between  
this & Eldon there is  
horizontal stratification  
with bands & lenses of  
sand & gravel, occasionally  
iron-cemented into thin  
plates.

all incline to bend east  
topmost & lowestmost part.

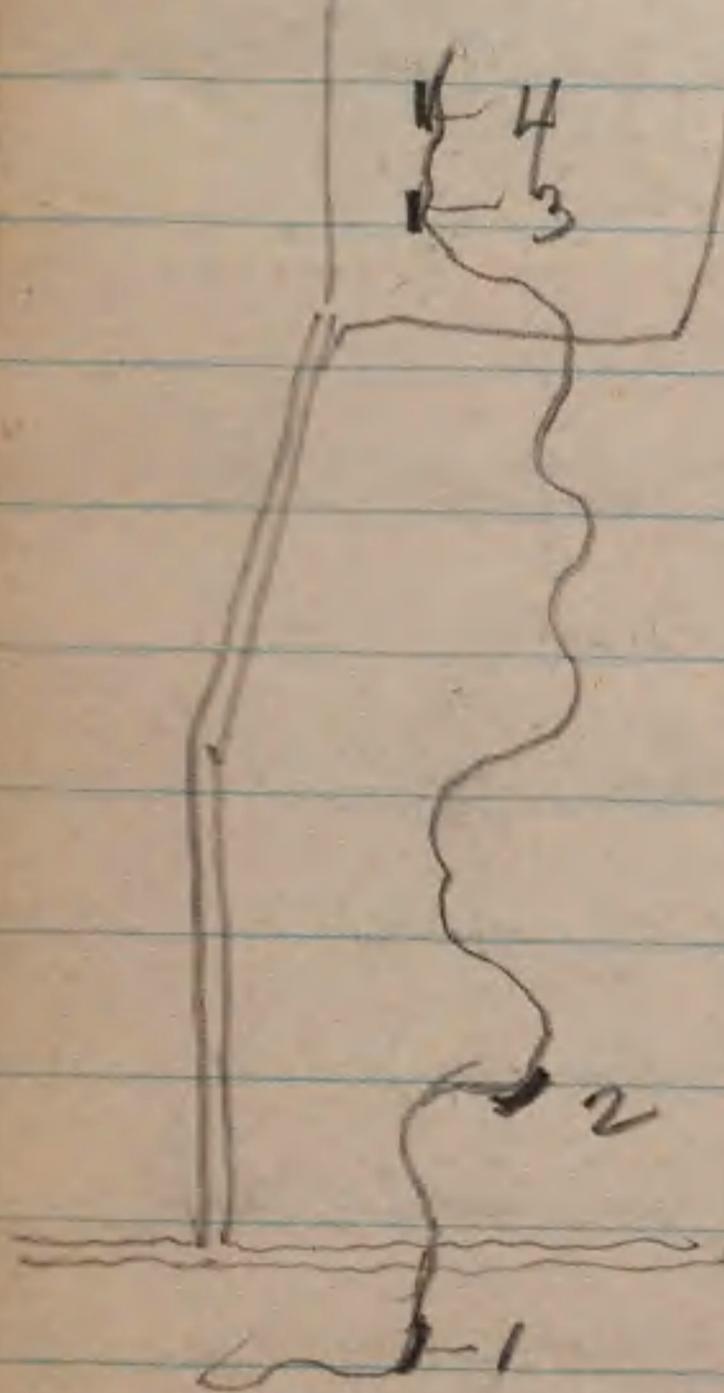


Photos 33 + 34 + 25 + 26

Looking up these bluffs,  
nearest one has quite  
a lot of gravel.  
about 1 ft. above bed of cut  
at X rock ledge shown  
above it 2 or 4 ft. of black  
shale. above this boulders

the section is not  
clear all the  
time. The creek is  
about a level here  
with Des Moines river.

At 11<sup>20</sup> went to Kishville &  
walked to Chillicothe, then to  
NW 1/4 sec. 6 - can stop.



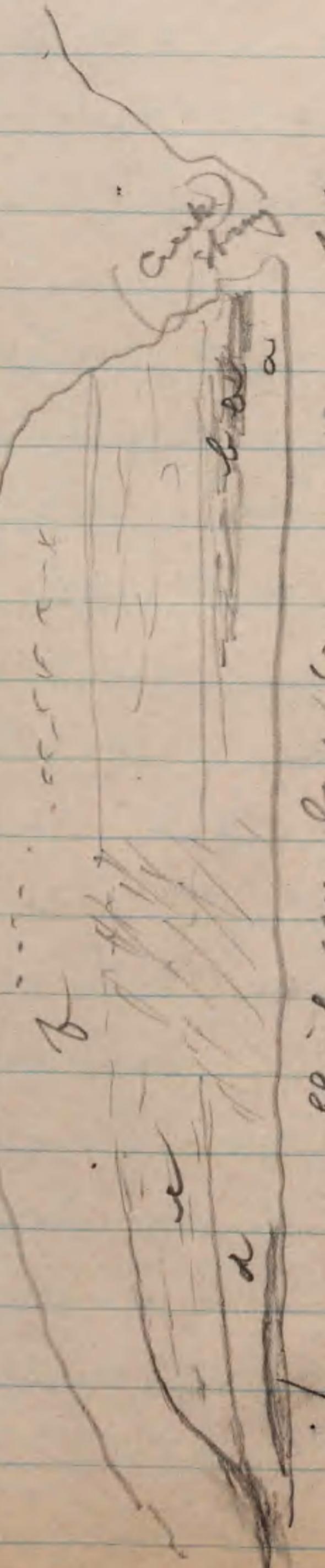
Bluff 1 shows black shale  
below but sandstone (?) above  
it. It is not peck.  
The drift is pebbly stuff  
(above) evidently water laid

Bluff 2 shows blue black  
shale (gray below) 2-3 ft  
above creek. Then shaly  
reddish rock <sup>with plants,</sup> then gravelly  
layer, evidently water laid,  
mixed with clay. This is at  
5 E end.

At N. end a pebbly  
dark blue stuff below may  
be Neosho, then a  
layer of 2-3 ft of red  
gravel (some silts below)  
then a layer of water laid  
stuff with coal plates  
6 ft., then red pebbly  
water laid layer, bluish

(+ also very red) above, as at  
Eldon.

Mounds



- a - pink green layer (one meter + thick)
- b - pink, stony, fine with some heave (more than 1 m. thick)
- c - pinkish yellow (fine sand), 1/2 m. thick
- d - coarse yellow (yellowish brown) about 1 m. thick, oxidized next to (c)
- e - coarse yellow, 1 m. thick

about 6 ft.

- f - red clayey, will smear hands, also some black iron stains along (looks like Kankar, but no Gneiss)

5.2 cm

$\delta^{(c)}$

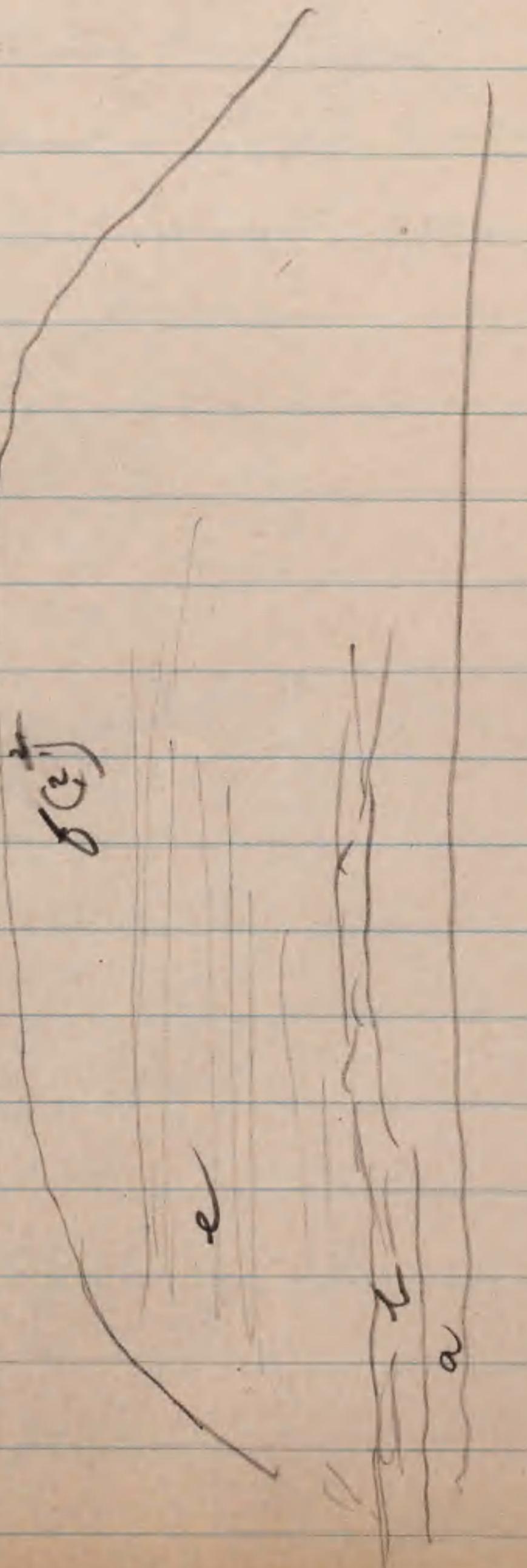


Photo 7 & 8 49  
N. end of cut 2  
Photos taken  
S.E. end or part  
of cut

Trip to Nebraska - June 16-1910  
 Left Omaha at 5:30 am &  
 reached Council Bluffs about 2 P.M.  
 Met Louis Zwa & brother  
 Jacob. Also Dr. Pipkin,  
 the Council Bluff trees look  
 dry. Clouds of dust were from  
 the bars of Missouri, now well  
 exposed.

Left at 3:55 pm for Norfolk  
 Ia. & down to Nebraska.

Stopped at Pacific hotel.

Left Norfolk at 7:45 am.  
 for Niobrara.

Notes plants on the way:

*Melilotus officinalis* - very common

*Phalaris paradoxa* - local.

*Iva xanthophylloides* - com.

*Cirsium eriophyllum* - fl.

*Stipa spartea* - fl.

*Astragalus longirostris* - juv. very com.

*Rosa acicularis* H. (see p. 55)

Extreme N end of cut 2  
Plaza 13 & 14

old yellow brick  
afternoon  
dark  
brick?

Cuts 3 - rock (dark brown)

5 ft of black shale  
1 ft (expans) reddish  
sand - (gypsum?)

Plaza 2/12/22

Cut 4, 1 min - 2  $\frac{3}{4}$  min

10 or 12 ft of red,  
slightly concretionate  
sand & gravel lenses.

4-5 ft thick shale  
light gray clay - like a - var.

2 ft rock -

expans

This is probably Leonard's  
cut

(Look back to p. 51)  
nivaria hills

- X Zizaniopsis miliacea fl. com.  
Zizania repens fl. very c.  
X Asclepias syriaca - lvs.  
X Lipidium apetalum fl. com.  
✓ Hordeum jubatum fl. very com.  
Sisymbrium canescens - fl. local  
Thlaspi arvense - lvs.  
Fragaria virginiana - fl.

Tradescantia

- X Agrostemma Githago - lvs. local  
Senecio plattensis - fl. <sup>locally</sup> com.  
Selinum cariosum - fl. few spts  
Delphinium nudicaule lvs. com.  
X Anemone canadensis fl. local.  
Tradescantia articularis - lvs. com.  
Delphinium glaucum fl. local.  
X Rumex (brittonii?) - fl. com.  
Siphion integrifolius lvs. local.  
Rumex acetosa, fl. local.  
Lithophragma glabrum local fl.  
Cirsium discolor fl. local.  
Cyclachaena xanthochroa fl. local in <sup>dry</sup> ~~open~~  
Dentaria gnaphaloides fl.

- Allium stellatum* (end) local fl.  
*Brunia arvensis* fl. com.  
 ✕ *Rimannia glauca* " town  
 ✕ *Chenopodium album* " "  
 ✕ *Capsella bursa-pastoris* - " her.  
 ✕ *Salix longifolia* local her.  
     Pale yellow introduced Crisp <sup>fl.</sup> her.  
 ✕ *Poa trivialis* com. dry  
     " *Hordeum ciliolatum* - fl. local  
*Hedysarum occidentale* - her. local  
 ✕ *Salix amygdaloides* local her.  
*Astragalus canescens* - her. local  
*Apocynum* - her. com  
*Oenothera serrulata* fl. local.  
*Oxalis stricta* fl. local.  
*Proserpinacanthus* local com. her.  
 ✕ *Melilotus albus* her. local.  
<sup>o</sup> *Achillea millefolium* fl. not com.  
*Amorpha canescens* her. local ~~com~~  
*Artemisia biennis* fl. (water) local.  
*Eryngium venustum* fl. local  
*Solidago rigida* (dry) her. not com.  
 45 *Hibiscus torquatus* fl. not com.

- ✕ 46. *Partula sativa* - fl. local  
*Plantago mistota* fl. local. ✕  
 ✕ *Poa malacodes* fl.

as follows (S.E.) farms through Roberts  
Lucas cattle ranch. the largest  
in Price co., = 2400 a.

as follows -

- Vernonia hastata* - fl. com  
*Malva rotundifolia* - fl. com  
*Lappula Redoutiana* - fl. com  
*Polygonum aviculare* - com  
*Lepidium apetalum* - her.  
     wh. Mex. Poppy. fl.  
*Ambrosia artemisiifolia* - her.  
*Nasturtium officinale* - her.  
*Aceratia floridana* - her.  
*Ambrosia trifida* - her.  
*Symphoricarpos occidentalis*  
*Glycyrrhiza lepidota* her.

Hemp

*Idyomia analare* com  
*Equisetum laevigatum* fr  
*Lycopodium ciliolare* dry

Seine jenisei s And, Bastion  
 of Lyach (Obninsk) a chce bych  
 sotam yastav

ziz Otto Lassman  
 jor Svalba k.

of Finske p. Hajek (ceny vse  
 minin)

Dr. V. Klima,

Mr. Mr. Medved.

" " (—?)

Polar jen. n. Tyndall na  
 vodnosti p. Ptak, a jine -

June 18-1910

Lift Nishara at 7:30 by  
 bus & ferry for Running Water  
 50 lbs. across.

Ran the Tyndall water  
 about 15 min., & then left  
 for Yankton.

Yankton to Sims City	61 mi	1.83
Sims City to Hotel Carr	33	.66
	94	2.49
	<u>3</u>	
	2.82	
	<u>2.49</u>	
	.33	

Grant Cedars

June 18, 1910

Afton

- Poa compressa fr. con.
- Arenaria cylindrica fl. "
- Dymondia pectinata - fls. scatens
- Delphinium Pceanum - fls. com
- Maurandya angustifolia fls & bracts scatens
- Amorpha canescens Coss.
- Artemesia pectinata lvs.
- Petalostemum purpureum lvs
- " candidum "
- Isidora nitida lvs
- Lycopodium punctatum lvs
- Myrrhis lvs
- Astragalus Cottii fls
- Antennaria nudicaulis lvs
- Hedera canina fls
- Astragalus caryophyllea lvs
- Salvia Virginica fls
- Persicaria gracilis lvs
- Potentilla montana lvs

- Cirsium discolor bracts
- Ceanothus velutinus lvs
- Sisymbrium laciniatum lvs
- Verbenae bractea fls.
- Aster oblongifolius lvs
- Helianthus rigidus lvs
- Viola cucullata? fls.
- Aster sericeus lvs
- Portulaca oleracea lvs
- Rosa pratincola fls.
- Verbena stricta lvs
- Oenothera biennis fls.
- Sisymbrium campestre fls
- Linum sulcatum fls
- Eriogonum racemosum fls.
- Koeleria cristata fls.
- Scirpus platensis fls
- Bernardia runcinata fls
- Panicum capillare
- Asplenium acrostichoides
- Physalis pubescens fls
- Nahnia variegata lvs

*Polygonum* <sup>hydropiper</sup> (like it) fr  
*Hordium pubescens* fls.  
*Panicum scribnerianum* fr  
*Lepidium apetalum* fls & fr  
*Molinia septem* fls  
*Osmunda coccinea* fls. (bw)  
*Taraxacum dens-canis* fr. several

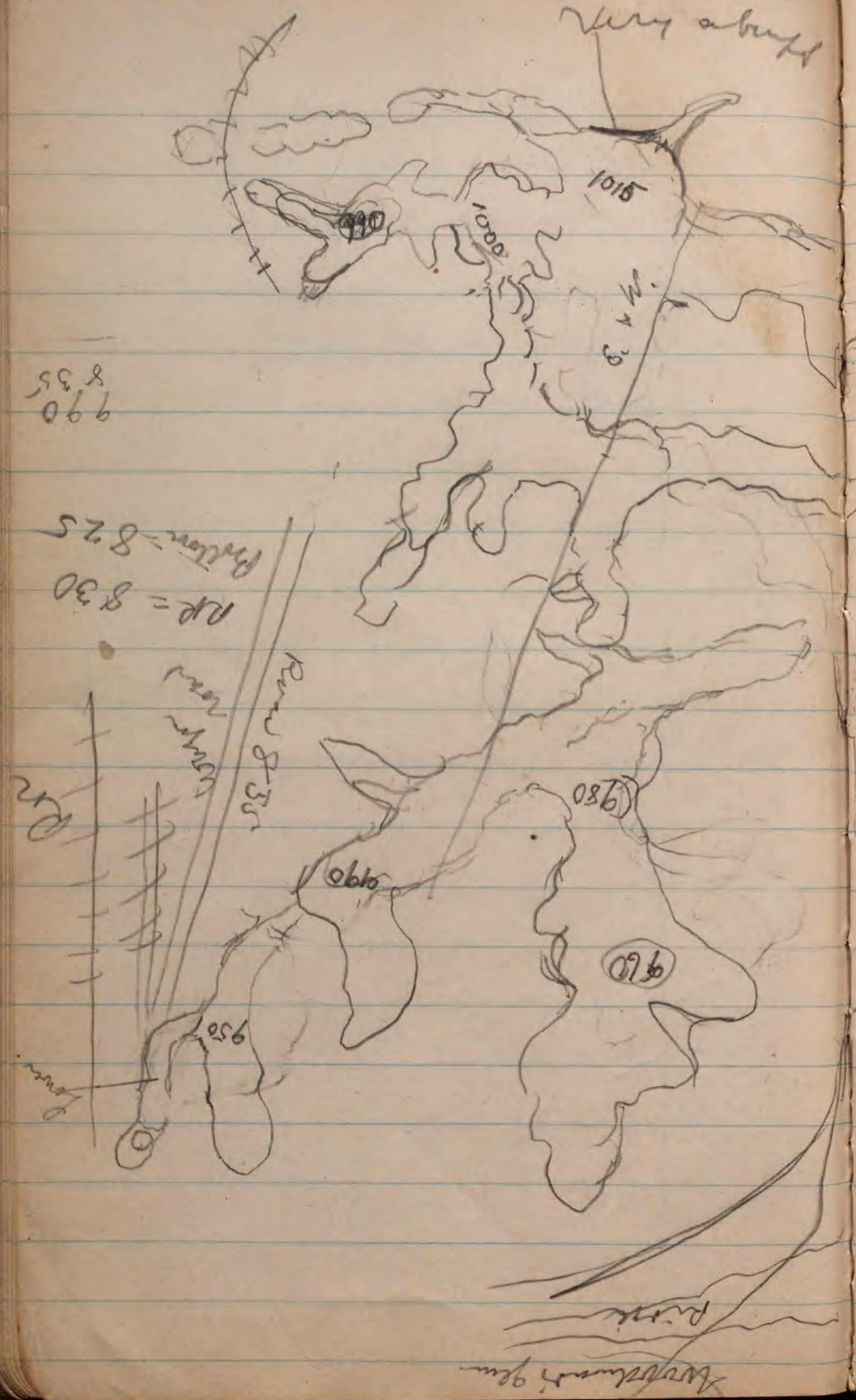
Locri

*Quercus* - fls.  
*Lactucea* - (sugoi?) - lvs.  
*Dryopanthus* - lvs.  
*Prunus emarginata* fr.  
*Solanum nigrum* - fls.  
*Anemone canadensis* - lvs.  
*Apollopodium spinulosum* - lvs.  
*Sisyrinchium campestre* - fr.  
*Verbena bracteata* - fls.  
*Petalostemum canescens* - lvs  
     "    purple - lvs  
*Ceanothus velutinus* - lvs.  
*Hordium pubescens* - fr.  
*Aster sericeus* - lvs.  
*Solidago rigida* - lvs.  
*Leptium Renardii* - fls.  
*Linnia heterophylla* - fls.  
*Oxytropis Lambethii* - fr.  
*Rosa pratincola* - lvs.  
*Anemone van Houtteana* - fr.  
*Liatris punctata* - lvs.  
*Rubus van Donckei* - lvs.

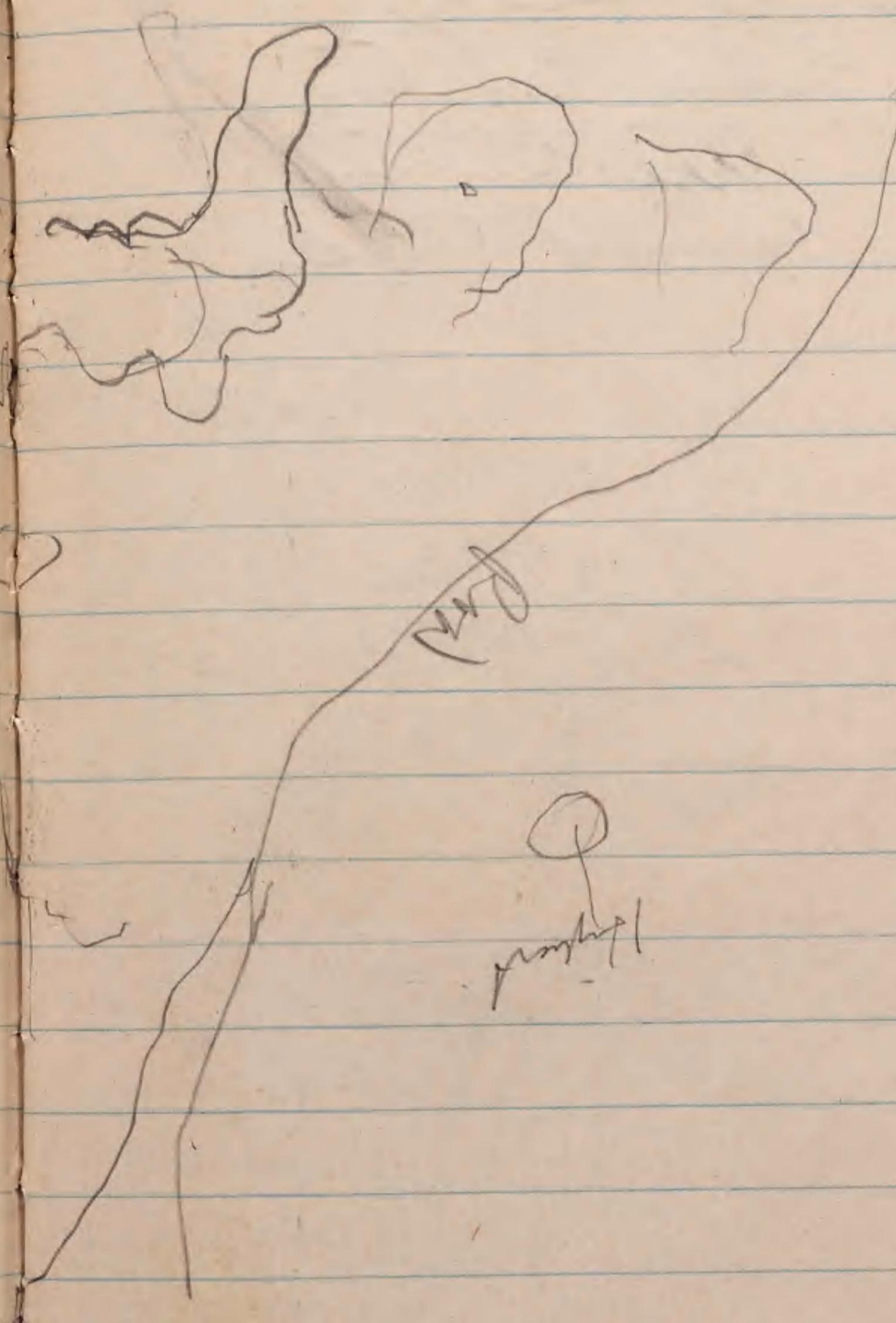
*Pentstemon grandiflorus* - lvs.  
*Lycopodium phlegmaria* - lvs.  
*Kuhnia cristata* - fls.  
*Hediondium annuum* - lvs.  
*Chenopodium album* - lvs.  
*Iva xanthiifolia* - lvs.  
*Astragalus alpinus* - lvs.  
*Salicornia herbacea* - lvs.  
*Lepidium apetalum* - fr  
*Bromus arvensis* - fls.  
*Oenothera biennis* - lvs.  
*Mennaea canescens* - fls (brown)

Weeds - Grand Culeo  
*Iva xanthiifolia*  
*Polygonum aviculare*  
 " *ariculatum*  
 " *(large with dark fil)*  
*Amaranthus retroflexus*  
 " *blitoides*  
*Amaranthus triflorus*  
*Chenopodium album*  
*Eriogonum canescens*  
*Kordia jutabilis*  
*Capsella bursa-pastoris*  
*Chenopodium hybridum*  
*Sisymbrium (officinale?)*  
*Artemisia tripartita*  
*Lepidium virginicum*  
*Bromus arvensis*  
*Melilotus albus*  
*Rumex*

6



67



~~1615~~

W.A. Blakely,  
Grant Cebular

E.V. McKinney,  
Young Grant Cebular

71

70

168

169

North School.

Put screens on two windows on N. side.

Plants in front of building  
" along fences.

3<sup>rd</sup> Ward

Paint wood work & patch up.

Grade for grounds.

Cement the foundation.

Grade girls side.

Cement steps - on S. side

Walk on S. E. side

Grass in front (to prevent wash)

High School, etc.

Curb east.

Metal panels & cornice paints

Paint stonework in front & N.  
" iron railing

Take out tree N. east.

Plant 2 trees on N. side

& 4 trees on E. side.

Fire escapes painted.

Fill grounds between

Walk W. of Grammar School (drive  
to coal cellar).

Take out stone.

Grade S. of Grammar School.

Tree S. W. of H. School to  
hide back.

S. of 2<sup>nd</sup> ward building - grade -  
fix cement walk.

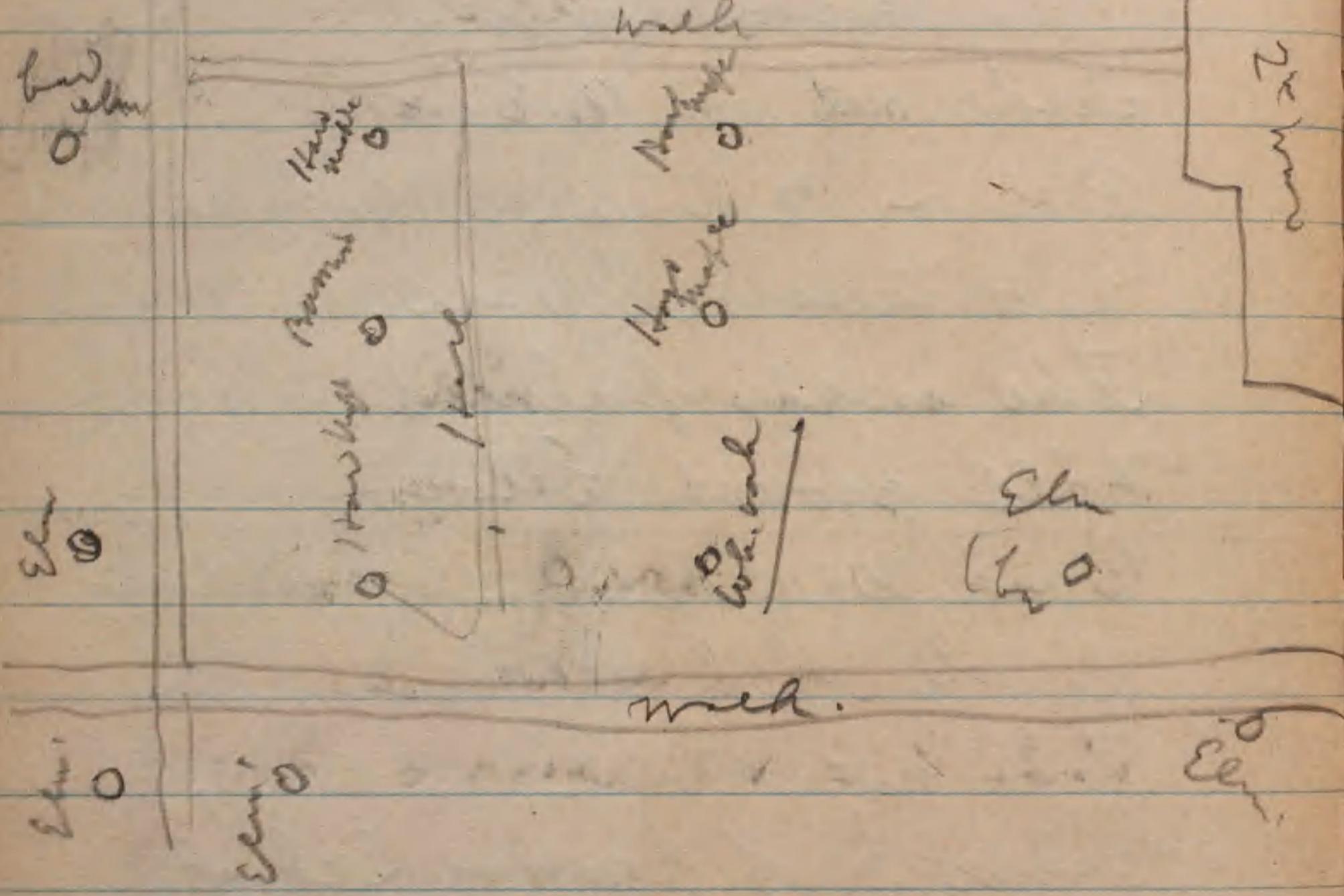
Cement walk S. E. from ward  
building. Cement gutter from  
spout S. E.

Set out 2 trees (take out 2) on  
S. side of walk - ward building.

172

Elm  
tree  
0

W.



173

4<sup>th</sup> ward

Grade ground in front (E.)  
on N. side - grade - put  
walk in - city.

Fix play-ground W. of building  
Get city to fill alley  
W. of building.

Kirkwood School

Grade S.E. - bumps -

Grade N.E. part & use  
earth in 4<sup>th</sup> ward.

Use N.E. & N. part for  
play ground.

Trees - 4 trees N. side

Level up W. side for  
girl playground.

Put water into building.

174

1- John Brue	45
2- J. W. Davis	37 $\frac{1}{2}$
3. John Parrot.	50
4- Elmer Ross	45
N.S. Fr. Guttmann	35
S.S. Mrs. Winklapp	35
H.S. John Holst.	60
Grom. Fr. Chandy	55
(from John Brue)	60

1 $\frac{1}{2}$  Ward,

grade grounds

Put screen up on S. side for  
play ground.

Grade on S. side.

Rake cinders up - on all grounds.

Plants on S. side to hide  
wall & fence.

175

Vacuum cleaning

Slime

Tayor

Blackmar

176

3 000	5 000
3 000	6 000
3 000	7
4 000	?
4 000	4 000
4 000	

46000  
.05\$2300.00 1<sup>st</sup> Inst.43000  
.05\$2150.00 2<sup>nd</sup> Inst.40000  
.05\$2000.00 3<sup>rd</sup> Inst.37000  
.05\$1850.00 4<sup>th</sup> Inst.33000  
.05\$1650.00 5<sup>th</sup> Inst.29000  
.05\$1450.00 6<sup>th</sup> Inst.25000  
.05\$1250.00 7<sup>th</sup> Inst.20,000  
.05\$1000.00 8<sup>th</sup> Inst.14000  
.05\$7000.00 9<sup>th</sup> Inst.7000  
.05\$5500.00 10<sup>th</sup>

3 000	5 000
3 000	6 000
3 000	7
4 000	?
4 000	4 000
4 000	

2300

2150

2000

1850

1650

1450

1250

1000

700

350

\$14700 2<sup>nd</sup> Inst.46000  
.04 1/2184000  
2300020700  
.1020700  
10 yrs

177

178

179

18 |

18 6

182

Nov. 4-1907 Thursday

RR. to Cedar Rapids	.65
DR to Sioux City	6.41
Dinner " "	1.50
<u>Nov. 5-</u> Breakfast, en route	.50
Porter	.25

Dinner - Sioux City - Transcopic .35

car fare to &amp; from Lincoln .10

West Hotel Cafe - supper .50

Nov. 6- West Hotel - room 1.00

RR. to Co. Bluff .95

Breakfast " " Royal Cafe .25

car fare to &amp; from Jerome .30

Dinner " " Royal Cafe .25

Supper " " " .25

car fare - Co. Bluff .10

Nov. 7 - Grand Hotel, room - 1.50.

" " Dinner .75

Breakfast, Royal Cafe .25

Supper - en route .50

RR. to Iowa City .5.24

183

Akron, La., Oct. 8, 1809

This is to certify that I have received from Mr. Severin Jensen one Mastodon tooth, and fragments of teeth, the material to be taken to the State University of Iowa for study in connection with Geological Survey work.

It is stipulated that if Mr. Jensen desires the return of this material, it will be returned on demand. If it is desired by him that the material shall remain in the University collection, he shall ~~not~~ receive the sum of Fifty Dollars (\$1500)

Chas. J. W. -

Spalding Esq. <sup>W. D.</sup>

Miseries that I have met.  
 10/109 - on way to Wind Lake. Two men,  
 one elderly, with deep Traveling  
 voice, the other a younger chatter,  
 got aboard - one said he had stopped  
 at his station to get sleep -  
 They kept up a scandalous  
 chatter - one said he was  
 Sundayschool Sup't - but all  
 their talk was about business & of  
 no direct consequence to them.

Moreover the Sup't jarred my  
 chair frequently. They  
 made miseries of themselves  
 during all the later hours  
 of the night.

I have met other cases of the  
 kind. Remember one case  
 where two men who had  
 not met for a long time talked  
 to the limit during early, hours  
 of evening, but as subject  
 matter became exhausted  
 they repeated, & repeated, &  
 finally talked in disjointed  
 fashion, but kept it up  
 all night.

The traveling man boy who  
 takes up 2 or 4 seats &  
 deliberately buries himself  
 in a newspaper.

The bunch of women that  
 block a walk or crossing.

The spitting boy on  
 street corners.

188

The women (traveling men  
especially) who gather in a  
hotel room, play cards, drink  
& shout, late at night.

189

Oct 6-1909 - RR fare to  
 Cedar Rapids - .50  
 Oct. 7-1909 - RR to Sioux City 4.47.  
 Breakfast (en route) - entree .50  
 Lunch for field returns & hotel .20  
 Copper, lunch room - 1.11 .25  
 RR. to Sioux Falls - 1.98  
 (Team to Minn Bay 2.00)  
 Oct 8 - Lodging<sup>50</sup>, breakfast<sup>50</sup> - Dactah/Holy 1.00  
 Fare to Alton 1.58  
 Lunch, noon, restaurant .25  
 Team - Wm. H. Morse. <sup>action</sup> 3.00  
 (Teeth - Mr. Severin Judd 15.00)  
 Oct. 9 - New Kendall hotel Alton 1.50  
 RR to Sioux City .94  
 Dinner - West Hotel cafe' .60  
 Supper - cow, lunch room .40  
 RR to Mo Valley 1.52  
 Checking baggage + etc. .30  
 Oct. 10 - Hotel Miller (lodging 049) 50  
 RR to Council Bluffs .45  
 car fare to & from furnace .30

Breakfast - Mo. Valley  
 Restaurant .25  
 Lunch (dinner) - furnace - .25  
 Supper - W.F. Lundrum .50  
 RR to Iowa City 5.24.  
 Cab, " " .25  
 4.47  
 1.48  
 $\frac{6.45}{1.0}$

Mr. Powers - Sioux City  
wants molarium for  
museum for children.

Mr. Robert Gieder  
613 So. 15<sup>th</sup> str.  
Omaha  
Phone - Douglas 6437

Mrs. J. K. Dierksen  
widow of  
Severin Jensen  
Aberon  
Ia.

car fare down	.40
to the Valley	1.52
Checkin Garage & etc.	.30
bed & breakfast Miller (lodging 009)	.50
MP to Conine Bluffs	.45
car fare to 8 pm dinner	.30

